

Abstract

Disclosed is a method for the measurement of a cellular process, or for the measurement of the effect of a test compound on a cellular process, in one or more different populations of cells. The method comprises providing separate samples of one or more different populations of cells adhering to support particles, the support particles comprising a scintillant substance and being adapted for cell growth. In one embodiment, different samples of cells are introduced into separate reaction vessels in a fluid medium, together with a reagent labelled with a radioisotope, in the presence or the absence of the test compound, under conditions so as to cause a portion of said radiolabelled reagent to become associated with the cells. In another embodiment, multiparameter analysis may be performed to determine the effect of a test compound on a cellular process using two or more different cell populations present in the same well. Measurement of the cellular process, or the effect of a test compound on a cellular process may be made by detecting light emission from the scintillant particles caused by radioactive decay of the radioisotope.

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